

Robert Greene Sterne  
Jorge A. Goldstein  
David K.S. Cornwell  
Robert W. Esmond  
Tracy-Gene G. Durkin  
Michele A. Cimbalà  
Michael B. Ray  
Robert E. Sokohl  
Eric K. Steffe  
Michael Q. Lee  
Steven R. Ludwig  
John M. Covert  
Linda E. Horner  
Robert C. Millonig  
Donald J. Featherstone  
Timothy J. Shea, Jr  
Michael V. Messinger  
Judith U. Kim

Patrick E. Garrett  
Jeffrey T. Helvey  
Eldora L. Ellison  
Thomas C. Fiala  
Donald R. Banowitz  
Peter A. Jackman  
Jeffrey S. Weaver  
Brian J. Del Buono  
Edward W. Yee  
Vincent L. Capuano  
Virgil Lee Beaton  
Theodore A. Wood  
Elizabeth J. Haanes  
Joseph S. Ostroff  
Frank R. Cottingham  
Daniel A. Klein  
Jason D. Eisenberg  
Michael D. Specht

Tracy L. Muller  
Jon E. Wright  
LuAnne M. DeSantis  
Ann E. Summerfield  
Helene C. Carlson  
Cynthia M. Bouchez  
Timothy A. Doyle  
Gaby L. Longworth  
Lori A. Gordon  
Laura A. Vogel  
Bryan S. Wade  
Bashir M.S. Ali  
Shannon A. Carroll  
Matthew E. Kelley  
Anbar F. Khal  
Michelle K. Holoubek  
Marsha A. Rose  
Young Tang

Christopher J. Walsh  
W. Blake Coblenz  
James J. Pohl  
John T. Haran  
Mark W. Rygiel  
Kevin W. McCabe

**Registered Patent Agents\***

Karen R. Markowicz  
Matthew J. Dowd  
Katrina Yujian Pei Quach  
Bryan L. Skelton  
Robert A. Schwartzman  
Victoria S. Rutherford  
Simon J. Elliott  
Julie A. Heider  
Mita Mukherjee

Scott M. Woodhouse  
Liliana Di Nola-Baron  
Peter A. Socarras  
Jeffrey K. Mills  
Danielle L. Letting  
Lori Brandes  
Steven C. Oppenheimer

**Of Counsel**

Edward J. Kessler  
Kenneth C. Bass III  
Marvin C. Guthrie

\*Admitted only in Maryland

\*Admitted only in Virginia

\*Practice Limited to  
Federal Agencies

October 12, 2006

WRITER'S DIRECT NUMBER:

(202) 772-8587

INTERNET ADDRESS:

PGARRETT@SKGF.COM

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Attn: Certificate of Correction Branch**

Re: U.S. Utility Patent No. 7,010,286 B2; Issue Date: March 7, 2006  
(from Appl. No. 09/855,851; Filed: May 16, 2001)  
For: **Apparatus, System, and Method for Down-Converting and  
Up-Converting Electromagnetic Signals**  
Inventors: **SORRELLS et al.**  
Our Ref: 1744.1260001

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Request for Certificate of Correction under 37 C.F.R. § 1.322;
2. One (1) page of Certificate of Correction Form (PTO/SB/44); and
3. One (1) return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
  
Patrick E. Garrett  
Attorney for Patentees  
Registration No. 39,987

PEG/mlb  
Enclosures  
594149\_1.DOC

Sterne, Kessler, Goldstein & Fox P.L.L.C. : 1100 New York Avenue, NW : Washington, DC 20005 : 202.371.2600 f 202.371.2540 : [www.skgf.com](http://www.skgf.com)

OCT 17 2006

cofe

**Certificate**  
OCT 16 2006  
**of Correction**



UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of:

SORRELLS *et al.*

Patent. No.: 7,010,286 B2

Issued: March 7, 2006

Atty. Docket: 1744.1260001

For: **Apparatus, System, and Method for  
Down-Converting and Up-Converting  
Electromagnetic Signals**

**Request for Certificate of Correction  
under 37 C.F.R. §§ 1.322**

*Attn: Certificate of Correction Branch*

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

It is hereby requested that a Certificate of Correction under 37 C.F.R. §§ 1.322 be issued for the above-captioned United States Patent. This Certificate of Correction is being requested due to mistakes which appear in the printed patent. These mistakes were made by the U.S. Patent and Trademark Office.

Specifically, the printed patent contains the following error for which a Certificate of Correction is respectfully requested:

In the References Cited list, the following references are missing:

- JP 9-36664 02/1997
- DE 196 48 915 A1 06/1998
- U.S. Patent No. 6,813,485 Sorrells *et al.*
- U.S. Patent No. 5,410,270 Rybicki *et al.*
- U.S. Patent No. 6,509,777 Razavi *et al.*

OCT 17 2006



- U.S. Patent No. 5,982,329 Pittman *et al.*
- U.S. Patent No. 6,208,636 Tawil *et al.*
- U.S. Patent No. 3,614,630 Rorden
- U.S. Patent No. 6,836,650 Sorrells *et al.*
- U.S. Patent No. 5,844,868 Takahashi *et al.*
- U.S. Patent No. 6,385,439 Hellberg
- U.S. Patent No. 6,741,139 Pleasant *et al.*
- U.S. Patent No. 6,823,178 Pleasant *et al.*
- U.S. Patent No. 6,850,742 Fayyaz
- U.S. Patent No. 6,853,690 Sorrells *et al.*
- U.S. Patent No. 6,873,836 Sorrells *et al.*
- U.S. Patent No. 6,879,817 Sorrells *et al.*
- U.S. Patent No. 6,057,714 Andrys *et al.*
- U.S. Patent No. 5,994,689 Charrier
- U.S. Patent No. 6,512,544 Merrill *et al.*
- U.S. Patent No. 6,628,328 Yokouchi *et al.*
- U.S. Patent No. 6,801,253 Yonemoto *et al.*
- U.S. Patent No. 3,737,778 Van Gerwen *et al.*
- U.S. Patent No. 4,286,283 Clemens
- U.S. Publication No. 2003/0081781 Jensen *et al.*
- Hellwarth, G.A. and Jones, G.D., "Automatic Conditioning of Speech Signals," IEEE Transactions on Audio and Electroacoustics, Vol. AU-16, No. 2, pp. 169-179 (June 1968).

OCT 17 2006

In the Foreign Patent Documents section, the following reference is  
missing:

- EP 0 789 449 A3 08/1997

***Remarks***

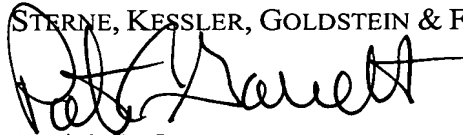
The above-noted corrections do not involve such changes in the patent as would  
constitute new matter or would require reexamination.

A completed Form PTO/SB/44 accompanies this request, with the above-noted  
corrections printed thereon. Accordingly, a Certificate of Correction is believed proper  
and issuance thereof is respectfully requested.

The Commissioner is hereby authorized to charge any fee deficiency, or credit any  
overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Patrick E. Garrett  
Attorney for Patentees  
Registration No. 39,987

Date: 10/12/06  
1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600  
594140\_1.DOC

OCT 17 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO. : 7,010,286 B2  
DATED : March 7, 2006  
INVENTOR(S) : SORRELLS et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the References Cited list, the following references are missing:

- JP 9-36664 02/1997
- DE 196 48 915 A1 06/1998
- U.S. Patent No. 6,813,485 Sorrells et al.
- U.S. Patent No. 5,410,270 Rybicki et al.
- U.S. Patent No. 6,509,777 Razavi et al.
- U.S. Patent No. 5,982,329 Pittman et al.
- U.S. Patent No. 6,208,636 Tawil et al.
- U.S. Patent No. 3,614,630 Rorden
- U.S. Patent No. 6,836,650 Sorrells et al.
- U.S. Patent No. 5,844,868 Takahashi et al.
- U.S. Patent No. 6,385,439 Hellberg
- U.S. Patent No. 6,741,139 Pleasant et al.
- U.S. Patent No. 6,823,178 Pleasant et al.
- U.S. Patent No. 6,850,742 Fayyaz
- U.S. Patent No. 6,853,690 Sorrells et al.
- U.S. Patent No. 6,873,836 Sorrells et al.
- U.S. Patent No. 6,879,817 Sorrells et al.
- U.S. Patent No. 6,057,714 Andrys et al.
- U.S. Patent No. 5,994,689 Charrier
- U.S. Patent No. 6,512,544 Merrill et al.
- U.S. Patent No. 6,628,328 Yokouchi et al.
- U.S. Patent No. 6,801,253 Yonemoto et al.
- U.S. Patent No. 3,737,778 Van Gerwen et al.
- U.S. Patent No. 4,286,283 Clemens
- U.S. Publication No. 2003/0081781 Jensen et al.
- Hellwarth, G.A. and Jones, G.D., "Automatic Conditioning of Speech Signals," IEEE Transactions on Audio and Electroacoustics, Vol. AU-16, No. 2, pp. 169-179 (June 1968).

In the Foreign Patent Documents section, the following reference is missing:

- EP 0 789 449 A3 08/1997

**MAILING ADDRESS OF SENDER:**

Sterne, Kessler, Goldstein & Fox P.L.L.C.  
1100 New York Avenue, N.W.  
Washington, DC 20005-3934

PATENT NO. 7,010,286 B2

No. of additional copies

→ 0

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*